**1. Obtain the elements of the union between two character vectors.**

**vec1 = c(rownames(mtcars[1:15,]))**

**vec2 = c(rownames(mtcars[10:32,]))**

***Ans:***

vec1 = c(rownames(mtcars[1:15,]))

vec1

vec2 = c(rownames(mtcars[10:32,]))

vec2

union(vec1,vec2)

**2. Get those elements that are common to both vectors.**

**vec1 = c(rownames(mtcars[1:15,]))**

**vec2 = c(rownames(mtcars[10:32,]))**

***Ans:***

vec1 = c(rownames(mtcars[1:15,]))

vec1

vec2 = c(rownames(mtcars[10:32,]))

vec2

intersect(vec1,vec2)

**3. Get the difference of the elements between two character vectors.**

**vec1 = c(rownames(mtcars[1:15,]))**

**vec2 = c(rownames(mtcars[10:32,]))**

***Ans:***

vec1 = c(rownames(mtcars[1:15,]))

vec1

vec2 = c(rownames(mtcars[10:32,]))

vec2

setdiff(vec1,vec2)

setdiff(vec2,vec1)

**4. Test the quality of two character vectors.**

**vec1 = c(rownames(mtcars[1:15,]))**

**vec2 = c(rownames(mtcars[11:25,]))**

***Ans:***

vec1 = c(rownames(mtcars[1:15,]))

vec1

vec2 = c(rownames(mtcars[11:25,]))

vec2

is.element(vec1,vec2)

identical(vec1,vec2)

setequal(vec1,vec2)

vec1 %in% vec2